

**WEST**

Generate Collection

L18: Entry 17 of 18

File: DWPI

Sep 28, 1992

DERWENT-ACC-NO: 1992-370192

DERWENT-WEEK: 199245

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TITLE: Calcium-contg. drinking water prodn. with slightly sweet taste - involves treating water with ultrafilter and/or reverse osmosis membrane, then by unglazed ceramic and then by calcium sulphate

T TX:

CALCIUM CONTAIN DRINK WATER PRODUCE SLIGHT SWEET TASTE TREAT WATER ULTRAFILTER  
REVERSE OSMOSIS MEMBRANE UNGLAZED CERAMIC CALCIUM SULPHATE

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TITLE: Calcium-contg. drinking water prodn. with slightly sweet taste - involves treating water with ultrafilter and/or reverse osmosis membrane, then by unglazed ceramic and then by calcium sulphate

PATENT-ASSIGNEE:

ASSIGNEE

CODE

JRC KK

JRCJN

PRIORITY-DATA:

1991JP-0053749

February 27, 1991

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 04271894 A	September 28, 1992	N/A	004	C02F001/68

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
JP04271894A	February 27, 1991	1991JP-0053749	N/A

INT-CL (IPC): C02F 1/28; C02F 1/44; C02F 1/68; C02F 9/00

ABSTRACTED-PUB-NO: JP04271894A

BASIC-ABSTRACT:

Prodn. comprises treating raw water by a reverse osmosis membrane and/or a ultrafilter, then by unglazed ceramic obtd. by sintering a cylindrical moulding contg. (a) clay of Paleozoic era comprising fossil layer mainly consisting of diatomaceous earth and (b) monazite as effective components, at 700-1100 deg.C in a reducing atmos., and then by a material contg. CaSO<sub>4</sub> from coral as the principal component.

Before the treatment by a reverse osmosis membrane and/or a ultrafilter, the water can be pretreated by an unglazed ceramic. To produce the unglazed ceramic, the clay and the monazite are mixed in a wt. ratio of 50-95:5 after grinding them to a proper size.

USE/ADVANTAGE - The water is used not only for drinking, but for cultivating grapes and tomatos, for preservation, for toilets and for diluting water of surfactant. The drinking water shows NMR spectrum different from that of water produced by a conventional method and has a slightly sweet taste.

ABSTRACTED-PUB-NO: JP04271894A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/1

DERWENT-CLASS: C04 D15 L02

CPI-CODES: C05-A01B; C05-C08; C12-J01; C12-M06; D04-A01E; L02-G;

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L18: Entry 14 of 18

File: DWPI

Aug 30, 2000

DERWENT-ACC-NO: 2000-665621

DERWENT-WEEK: 200065

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TITLE: Process for preparing calcium-supplementing drinking water

INVENTOR: WANG, S

PATENT-ASSIGNEE:

ASSIGNEE

CODE

WANG S

WANGI

PRIORITY-DATA:

2000CN-0102052

February 24, 2000

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1264682 A	August 30, 2000	N/A	000	C02F001/68

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
CN 1264682A	February 24, 2000	2000CN-0102052	N/A

INT-CL (IPC): C02F 1/68

ABSTRACTED-PUB-NO: CN 1264682A

BASIC-ABSTRACT:

NOVELTY - A process for preparing the calcium-supplementing drinking water as a health-care beverage uses hydrated calcium sulfate ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) and natural soft gypsum as basic raw materials, and includes mixing them with water to become paste, and mixing boiling water with it for quickly dissolving to obtain ion-state drinking water. Its advantages are simple process, rich in Ca ions, S ions and crystallized water.

ABSTRACTED-PUB-NO: CN 1264682A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: D13 D15

CPI-CODES: D03-H01G; D04-A01;

File 24 2000  
June 20 1997

**WEST**

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L18: Entry 14 of 18

File: DWPI

Aug 30, 2000

DERWENT-ACC-NO: 2000-665621

DERWENT-WEEK: 200065

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TITLE: Process for preparing calcium-supplementing drinking water

ABTX:

NOVELTY - A process for preparing the calcium-supplementing drinking water as a health-care beverage uses hydrated calcium sulfate ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) and natural soft gypsum as basic raw materials, and includes mixing them with water to become paste, and mixing boiling water with it for quickly dissolving to obtain ion-state drinking water. Its advantages are simple process, rich in Ca ions, S ions and crystallized water.

TTX:

PROCESS PREPARATION CALCIUM SUPPLEMENTARY DRINK WATER

USPT,JPAB,EPAB,DWPI,TDBD	19 and ("calcium sulfate" same drink\$3) and ("calcium sulfate" near drink\$3)	0	<a href="#">L19</a>
USPT,JPAB,EPAB,DWPI,TDBD	19 and ("calcium sulfate" same drink\$3)	18	<a href="#">L18</a>
USPT,JPAB,EPAB,DWPI,TDBD	19 and ("calcium sulfate" same beverage) and ("calcium sulfate" near beverage)	0	<a href="#">L17</a>
USPT,JPAB,EPAB,DWPI,TDBD	19 and ("calcium sulfate" same beverage)	22	<a href="#">L16</a>
USPT,JPAB,EPAB,DWPI,TDBD	19 and ("calcium sulfate dihydrate" same beverage)	0	<a href="#">L15</a>
USPT,JPAB,EPAB,DWPI,TDBD	19 and ("calcium sulfate dihydrate") and (supplemented)	1	<a href="#">L14</a>
USPT,JPAB,EPAB,DWPI,TDBD	19 and ("calcium sulfate dihydrate") and (fortified)	1	<a href="#">L13</a>
USPT,JPAB,EPAB,DWPI,TDBD	19 and ("calcium sulfate dihydrate")	43	<a href="#">L12</a>
USPT,JPAB,EPAB,DWPI,TDBD	19 and (flavor4\$)	0	<a href="#">L11</a>
USPT,JPAB,EPAB,DWPI,TDBD	15 and ("calcium sulfate") and (beverage near (calcium adj sulfate))	0	<a href="#">L10</a>
USPT,JPAB,EPAB,DWPI,TDBD	15 and ("calcium sulfate")	1007	<a href="#">L9</a>
USPT,JPAB,EPAB,DWPI,TDBD	14 and (water) and (water near "calcium sulfate") and (beverage near water)	0	<a href="#">L8</a>
USPT,JPAB,EPAB,DWPI,TDBD	14 and (water) and (water near "calcium sulfate")	15	<a href="#">L7</a>
USPT,JPAB,EPAB,DWPI,TDBD	14 and (water)	3859	<a href="#">L6</a>
USPT,JPAB,EPAB,DWPI,TDBD	12 and (beverage) or (drink)	55710	<a href="#">L5</a>
USPT,JPAB,EPAB,DWPI,TDBD	12 and (beverage)	4318	<a href="#">L4</a>
USPT,JPAB,EPAB,DWPI,TDBD	calcium sulfate and (calcium adj sulfate) and (beverage or drink)	324087	<a href="#">L3</a>
USPT,JPAB,EPAB,DWPI,TDBD	calcium sulfate and (calcium adj sulfate)	324087	<a href="#">L2</a>
USPT,JPAB,EPAB,DWPI,TDBD	calcium sulfate	532105	<a href="#">L1</a>

**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)**Search Results -**

Terms	Documents
("calcium sulfate") near dihydrate and (beverage or drink)	77

**Database:**

[US Patents Full-Text Database](#)  
[JPO Abstracts Database](#)  
[EPO Abstracts Database](#)  
[Derwent World Patents Index](#)  
[IBM Technical Disclosure Bulletins](#)

**Refine Search:**

("calcium sulfate") near dihydrate and  
 (beverage or drink) and ("calcium  
 sulfate") same (beverage or drink)

[Clear](#)**Search History****Today's Date: 1/14/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,JPAB,EPAB,DWPI,TDBD	("calcium sulfate") near dihydrate and (beverage or drink)	77	<a href="#">L26</a>
USPT,JPAB,EPAB,DWPI,TDBD	("calcium sulfate") near dihydrate	1651	<a href="#">L25</a>
USPT,JPAB,EPAB,DWPI,TDBD	("calcium sulfate dihydrate") near (beverage or drink)	0	<a href="#">L24</a>
USPT,JPAB,EPAB,DWPI,TDBD	("calcium sulfate dihydrate") same (beverage or drink)	0	<a href="#">L23</a>
USPT,JPAB,EPAB,DWPI,TDBD	15 and ("calcium sulfate dihydrate") and ("calcium sulfate dihydrate") near (beverage or drink) and ("calcium sulfate dihydrate") adj (beverage)	647	<a href="#">L22</a>
USPT,JPAB,EPAB,DWPI,TDBD	15 and ("calcium sulfate dihydrate") and ("calcium sulfate dihydrate") near (beverage or drink)	1009	<a href="#">L21</a>
USPT,JPAB,EPAB,DWPI,TDBD	15 and ("calcium sulfate dihydrate")	43	<a href="#">L20</a>

**WEST****End of Result Set****Generate Collection**

L18: Entry 18 of 18

File: DWPI

Mar 11, 1982

DERWENT-ACC-NO: 1982-31867E

DERWENT-WEEK: 198216

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TITLE: Food or drink additive - contg. bittern and opt. soluble calcium sulphate, improves taste and adds minerals

**ABTX:**

Additive comprises bittern and opt. soluble calcium salt. It can be combined with food, drink, seasoning, feed, etc. to improve taste, intensify saltiness and supply minerals. When diluted by 40 times, bittern does not taste bitter but improves the taste of water, alcohol, etc.

**ABTX:**

Pref. Cu salt is added when bittern is prepd. so as not to crystallise out calcium sulphate. Pref. solid bittern is used, which is obtd. by combining Ca salt, common salt, dextrin, starch and/or bread crumbs with solid bittern and opt. tableting.

**TTX:**

FOOD DRINK ADDITIVE CONTAIN BITTERN OPTION SOLUBLE CALCIUM SULPHATE IMPROVE TASTE  
ADD MINERAL

*didn't  
use*

**WEST****End of Result Set****Generate Collection**

L18: Entry 18 of 18

File: DWPI

Mar 11, 1982

DERWENT-ACC-NO: 1982-31867E

DERWENT-WEEK: 198216

COPYRIGHT 2001 DERWENT INFORMATION LTD

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improves taste and adds minerals

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FOOD DRINK ADDITIVE CONTAIN BITTERN OPTION SOLUBLE CALCIUM SULPHATE IMPROVE TASTE  
ADD MINERAL



**WEST**

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L18: Entry 17 of 18

File: DWPI

Sep 28, 1992

DERWENT-ACC-NO: 1992-370192

DERWENT-WEEK: 199245

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REVERSE OSMOSIS MEMBRANE UNGLAZED CERAMIC CALCIUM SULPHATE

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PATENT-ASSIGNEE:

ASSIGNEE

CODE

JRC KK

JRCJN

PRIORITY-DATA:

1991JP-0053749

February 27, 1991

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 04271894 A	September 28, 1992	N/A	004	C02F001/68

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
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INT-CL (IPC): C02F 1/28; C02F 1/44; C02F 1/68; C02F 9/00

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DERWENT-CLASS: C04 D15 L02

CPI-CODES: C05-A01B; C05-C08; C12-J01; C12-M06; D04-A01E; L02-G;